

FIG. 1

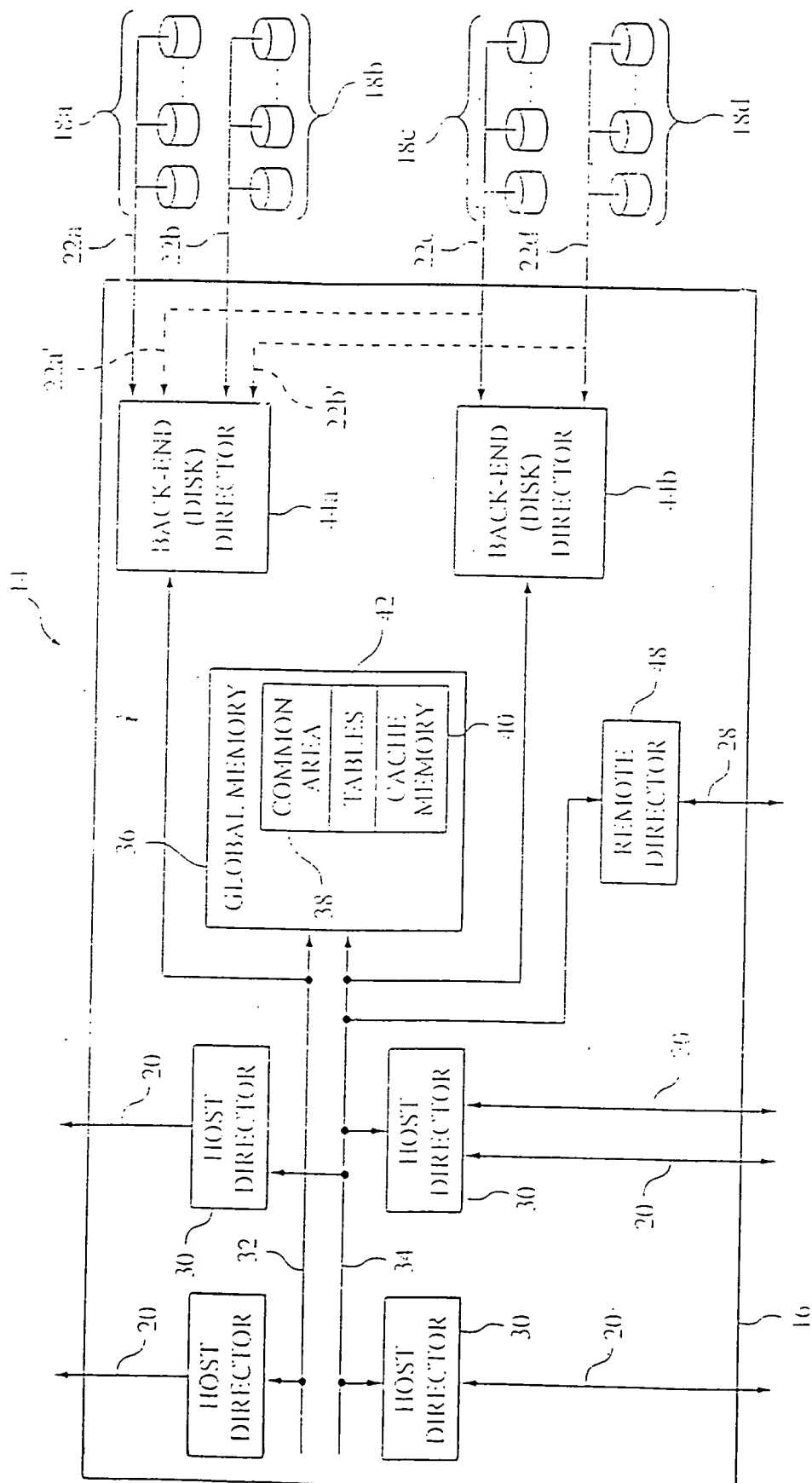


FIG. 2

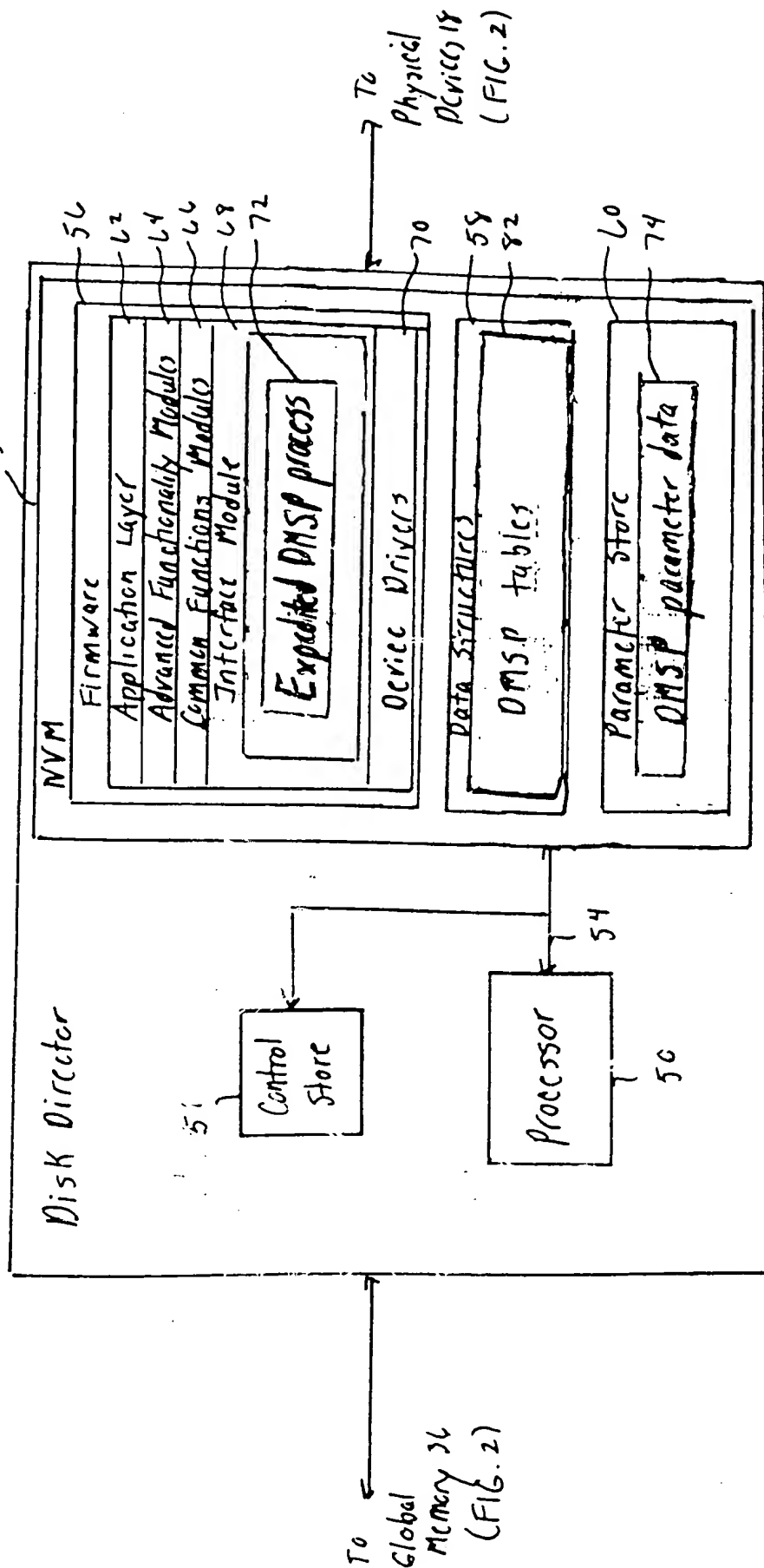


FIG. 3

start - 80

Collect statistics  
for all  
physical devices - 82

Determine top n  
busiest physical  
devices — 84

Sort n busiest  
physical devices  
from most to least  
active - 86

Select First (business) physical device - 88

Select next  
(busiest)  
physics  
device

96

end of list?

94 ~~1~~ (C)  
Make temporary assignment permanent

Done

utilization - 93  
 $< 50\%$

100 — Select first logical volume on border and corresponding logical mirror copy

Compute cost function for selected physical device and physical device(s) with biological mirrored copies — 102

104 - Determine max. cost function value.

Temporarily assign  
volumes in first half  
of selected physical  
device to that device  
and the other volumes  
to corresponding mirrors

Determine utilization

FIG. 4

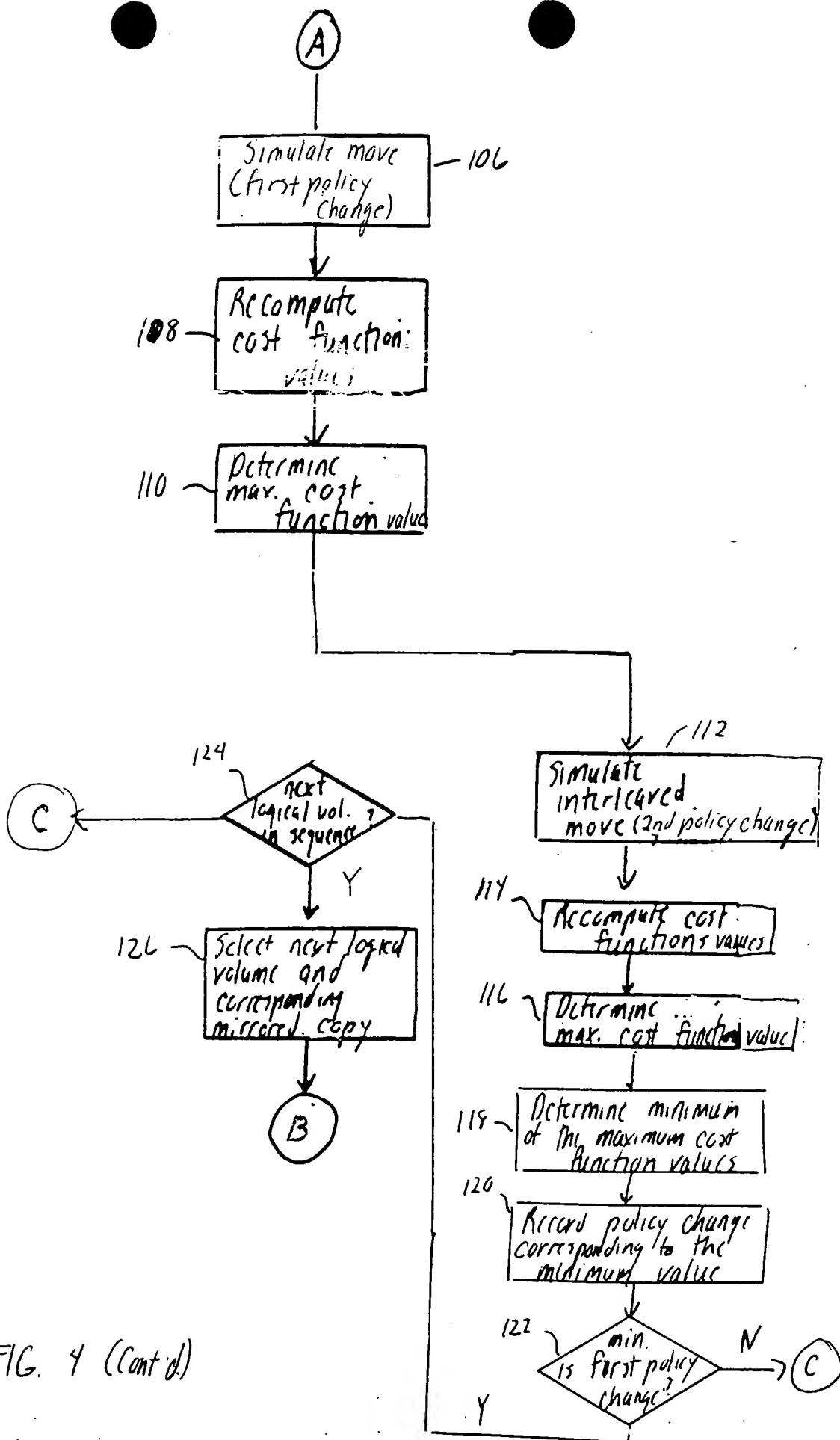


FIG. 4 (Cont'd)

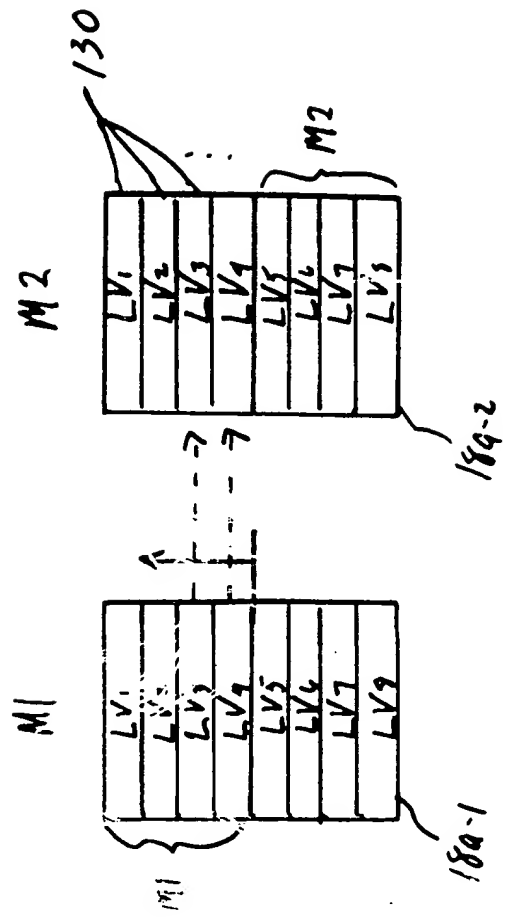


FIG. 5

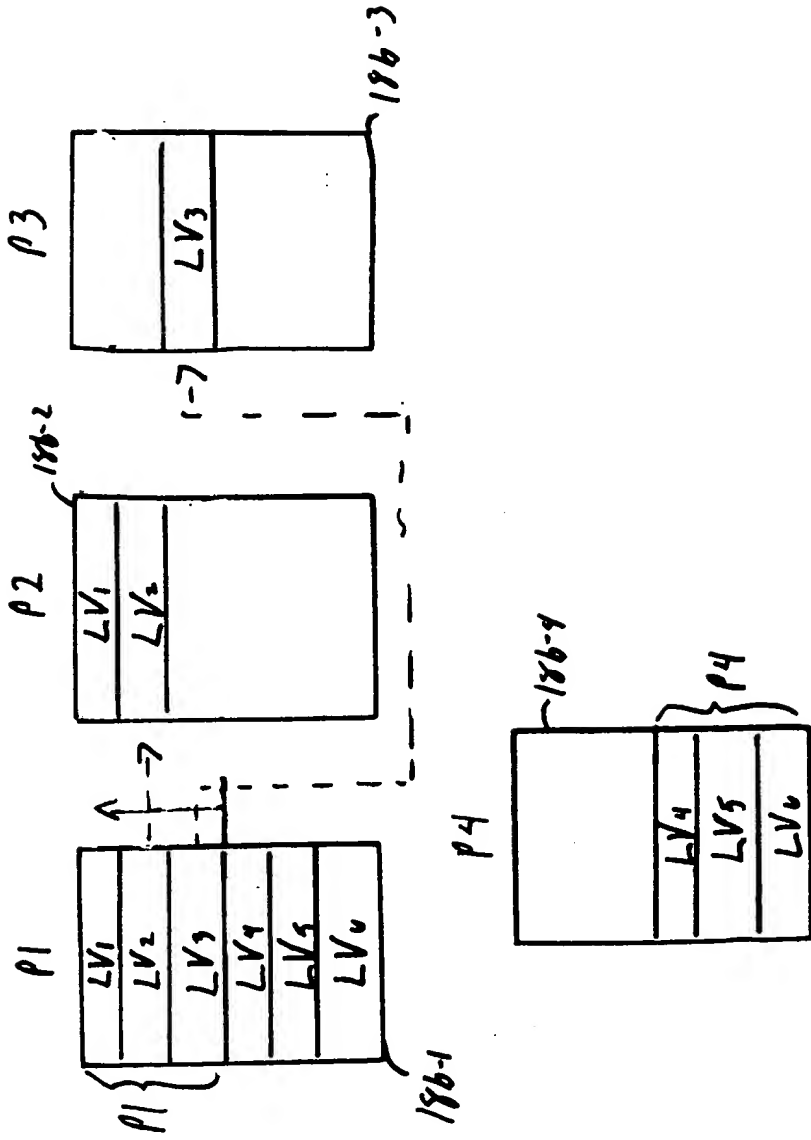


FIG. 6

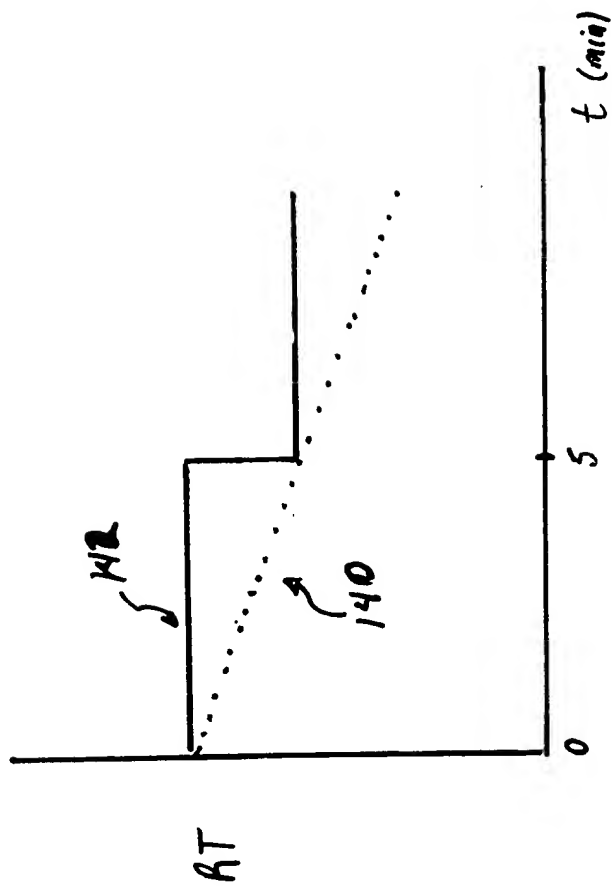


FIG. 7